Figure 1 (PRIOR ART)

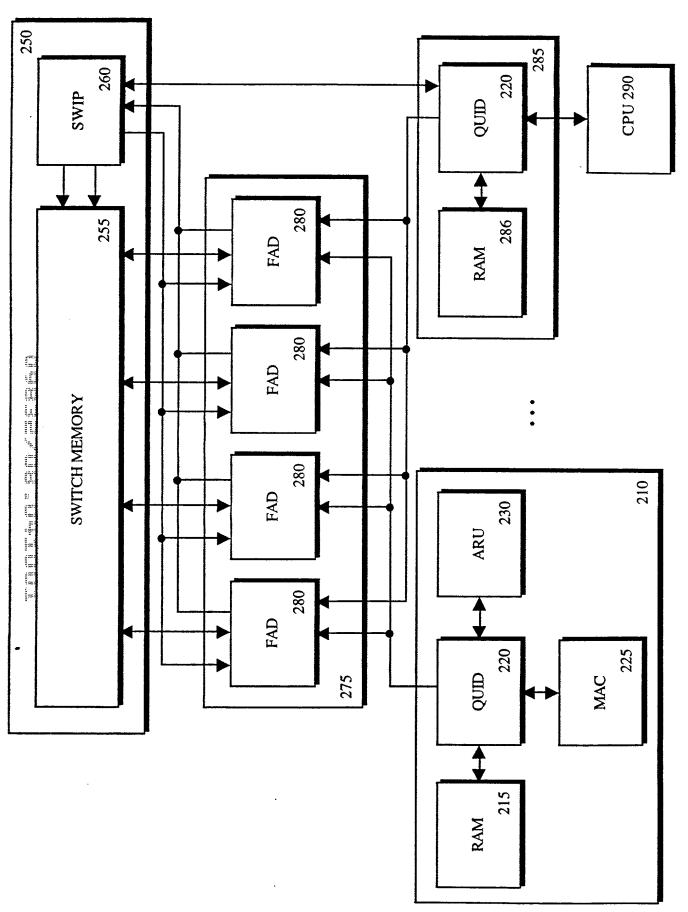


Figure 2

310	Destination Address:	11.1.2.65	= 00001011.00000001.00000010.01000001
320	Route #1	11.1.2.0/24	$= \underline{00001011.0000001.00000010}.000000000$
330	Route #2	11.1.0.0/16	= 00001011.00000001.00000000000000000000
340	Route #3	11.0.0.0/8	= 00001011.00000000.00000000000000000000

FIG

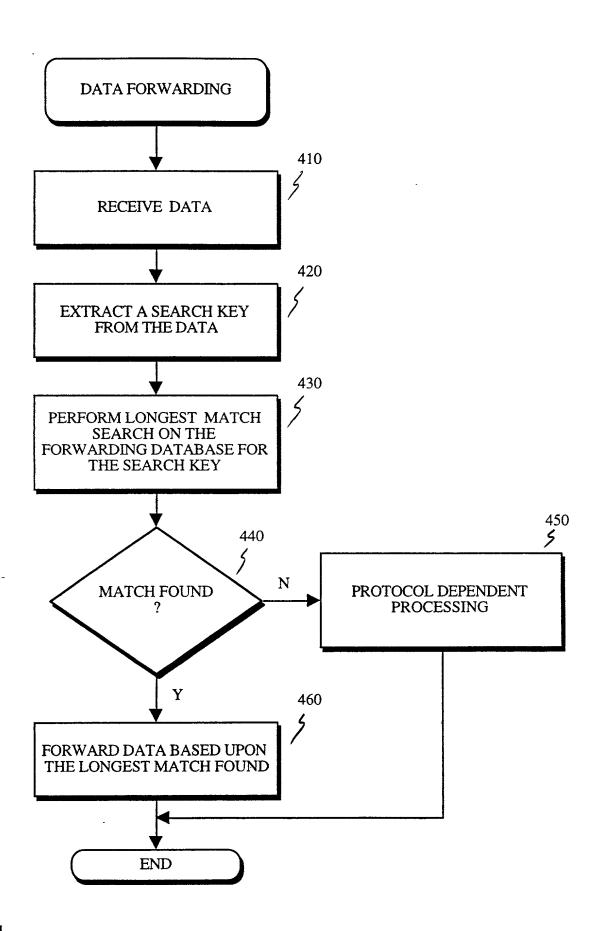


Figure 4

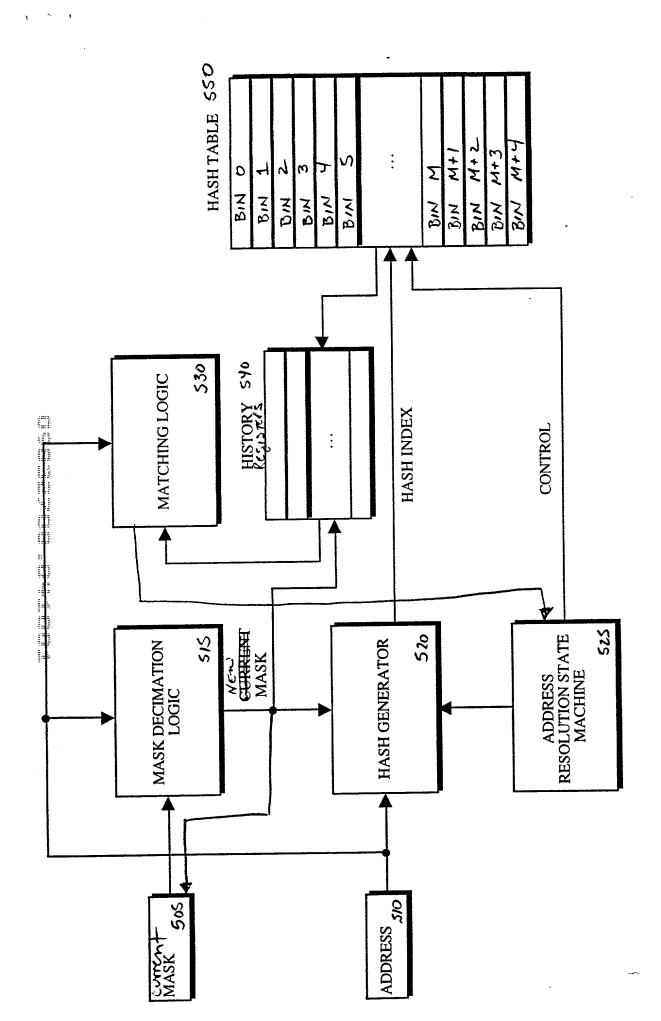


Figure 5

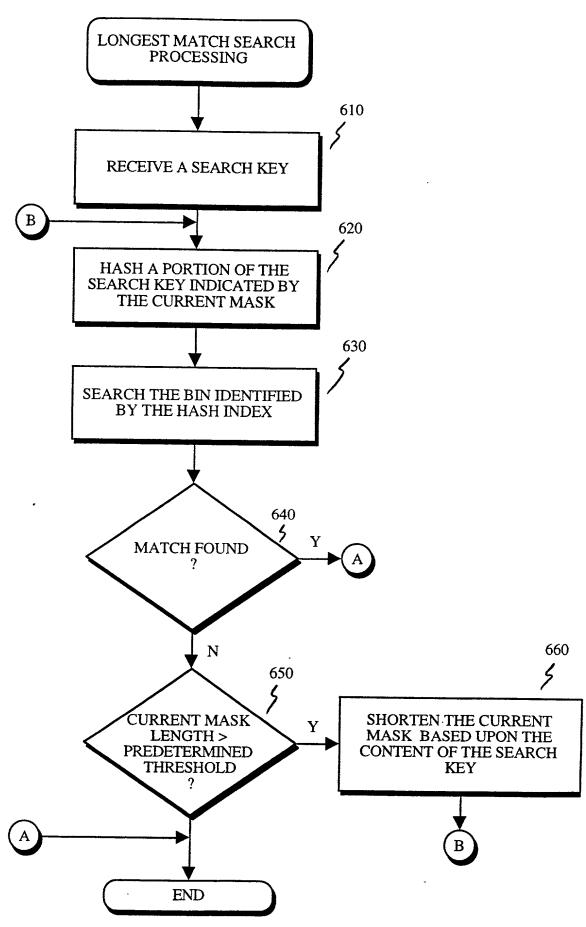
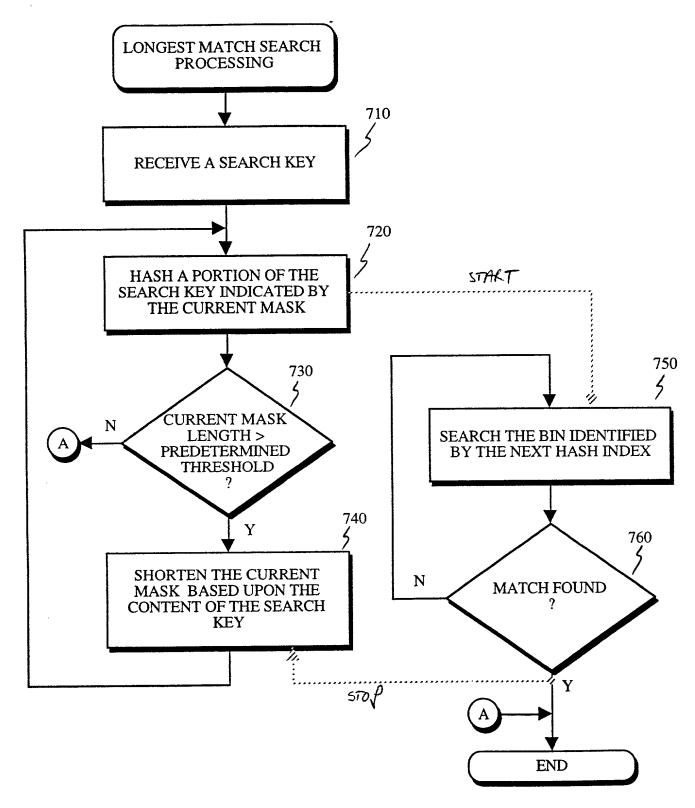


Figure 6



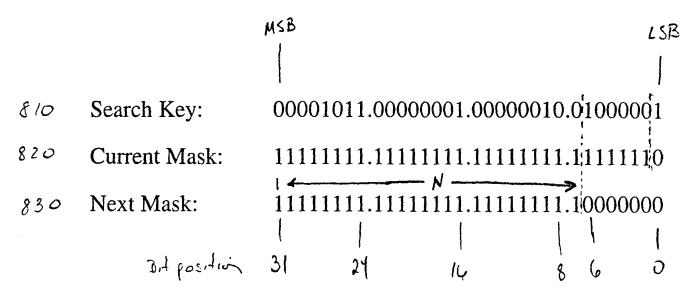


FIG. 8

Bit-wise Mask Decimation

				Masked	
	Address (hex)	Iteration	Mask (hex)	Address (hex)	
2	OB 01 02 41	1	FF FF FF FF	0B 01 02 41	
		2	FF FF FF FE	0B 01 02 40	
		3	FF FF FF FC	0B 01 02 40	
		4	FF FF FF F8	0B 01 02 40	
		5	FF FF FF F0	0B 01 02 40	
		6	FF FF FF E0	0B 01 02 40	
gang.		7	FF FF FF C0	0B 01 02 40	
Harris Similar		8	FF FF FF 80	0B 01 02 00	-NA+

FIG. 9

Address-sensitive Mask Decimation

	Address (hex)	Iteration	Mask (hex)	Masked Address (hex)	
02	OB 01 02 41	1	FF FF FF FF	0B 01 02 41	
		2	FF FF FF FE	0B 01 02 40	
		3	FF FF FF 80	0B 01 02 00	→ MAtch
		4	FF FF 00 00	0B 01 00 00	1
		5	FF 00 00 00	0B 00 00 00	7

FIG. 10

Address	:	Mask	
00011000 00010000 00000010 00000000		111111111111111111111111111111111111111	01110
00011000 00010000 00000000 00000000		2 // 2 00000000 0000000 11111111 111111111	7 1115
•••			<u> </u>
00011000 00000000 00000000 00000000		1111111 00000000 0000000 0000000 7 5 5	2000

FIG. 11A (PRIOR ART)

	Mask Lenith		35 / 1 00		00100
	Mas	11000	01000		0010
A CLASSICAL CONTRACTOR OF THE	Address	00011000 00010000 00000010 00000000	00011000 00010000 00000000 00000000	• • •	00011000 00000000 00000000 00000000

FIG. 11B (PRIOR ART)

FIG. 11C